LED Bar DMX

ORDERCODE 41110

SHOWELECTRONICS FOR PROFESSIONALS

Congratulations!
You have bought a great, innovative product from Showtec.
The Showtec LED Bar DMX brings excitement to any venue. Whether you want simple plug-&-play action or a sophisticated DMX show, this product provides the effect you need.

You can rely on Showtec, for more excellent lighting products.
We design and manufacture professional light equipment for the entertainment industry.
New products are being launched regularly. We work hard to keep you, our customer, satisfied.
For more information: iwant@showtec.info

You can get some of the best quality, best priced products on the market from Showtec.
So next time, turn to Showtec for more great lighting equipment.
Always get the best -- with Showtec !

Thank you!

Showtec LED Bar DMX™ Product Guide

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WARNING

CAUTION!
Keep this device away from rain and moisture!

FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE YOUR INITIAL START-UP!

SAFETY INSTRUCTIONS

Every person involved with the installation, operation and maintenance of this device has to:

- be qualified
- follow the instructions of this manual

CAUTION! Be careful with your operations.
With a dangerous voltage you can suffer
a dangerous electric shock when touching the wires!

Before your initial start-up, please make sure that there is no damage caused by transportation. Should there be any, consult your dealer and do not use the device.

To maintain perfect condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this manual.

Please consider that damages caused by manual modifications to the device are not subject to warranty.

This device contains no user-serviceable parts. Refer servicing to qualified technicians only.

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modification to the device.

- Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution!
- Never remove warning or informative labels from the unit.
- Never leave any cables lying around.
- Do not open the device and do not modify the device.
- Do not connect this device to a dimmerpack.
- Do not shake the device. Avoid brute force when installing or operating the device.
- Do not switch the device on and off in short intervals, as this would reduce the system's life.
- Only use device indoor, avoid contact with water or other liquids.
- Only operate the device after having familiarized with its functions.
- Avoid flames and do not put close to flammable liquids or gases.
- Always allow free air space of at least 50 cm around the unit for ventilation.
- Always disconnect power from the mains, when device is not used or before cleaning! Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord.
- Make sure that the device is not exposed to extreme heat, moisture or dust.
- Make sure that the available voltage is not higher than stated on the rear panel.
- Make sure that the power-cord is never crimped or damaged. Check the device and the power-cord from time to time.

- If device is dropped or struck, disconnect mains power supply immediately. Have a qualified engineer inspect for safety before operating.
- If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.
- If your Showtec device fails to work properly, discontinue use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Showtec dealer for service.
- For adult use only. The device must be installed out of the reach of children. Never leave the unit running unattended.
- For replacement use fuses of same type and rating only.
- Repairs, servicing and electric connection must be carried out by a qualified technician.
- WARRANTY: Till one year after date of purchase.

OPERATING DETERMINATIONS

If this device is operated in any other way, than the one described in this manual, the product may suffer damages and the warranty becomes void.

Any other operation may lead to dangers like short-circuit, burns, electric shock, lamp explosion, crash etc.

You endanger your own safety and the safety of others!

Rigging

Please follow the European and national guidelines concerning rigging, trussing and all other safety issues.

Do not attempt the installation yourself !
Always let the installation be carried out by an authorized dealer !

Procedure:

- If the LED Bar DMX is lowered from the ceiling or high joists, professional trussing systems have to be used.
- Use a clamp to mount the LED Bar DMX, with the mounting-bracket, to the trussing system.
- The LED Bar DMX must never be fixed swinging freely in the room.
- The installation must always be secured with a safety attachment, e.g. an appropriate safety net or safety-cable.
- When rigging, derigging or servicing the LED Bar DMX, always make sure, that the area below the installation place is blocked and staying in the area is forbidden.

The LED Bar DMX can be placed on a flat stage floor or mounted to any kind of truss by a clamp.

Improper installation can cause serious damage to people and property !

Description of the device

Features

The LED Bar DMX is a LED system from Showtec.
• Sound-controlled via built-in microphone
• 3 Modes: Stand-alone, DMX-controlled or Sound-controlled
• 4 Channels (R, G, B and Dimmer for entire deivce)
• 20 Channels (R, G, B and Dimmer for each individual section, device has 5 sections)

NOTE: Knowledge of DMX is required to fully utilize this unit.

Overview

Fig. 1

1) Safety Eye for Truss mounting

Backside

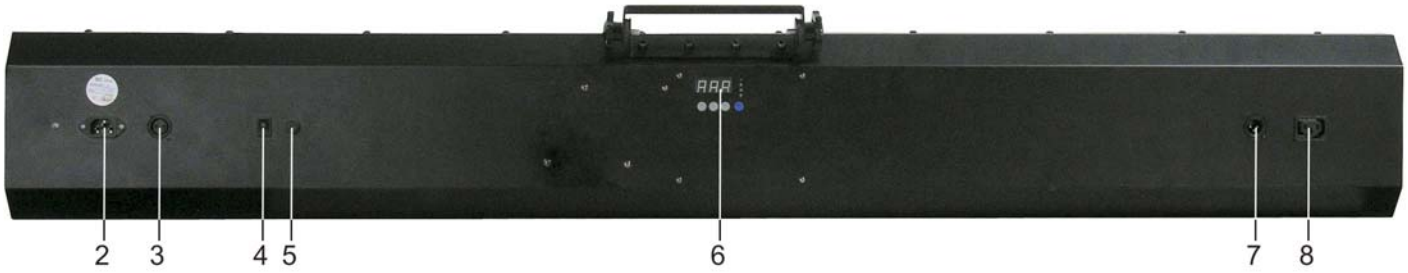


Fig. 2

2) IEC Connector Power IN
3) DMX signal connector (IN)
4) Power On / Off
5) Fuse
6) Menu
7) DMX signal connector (OUT)
8) IEC Connector Power OUT

Installation

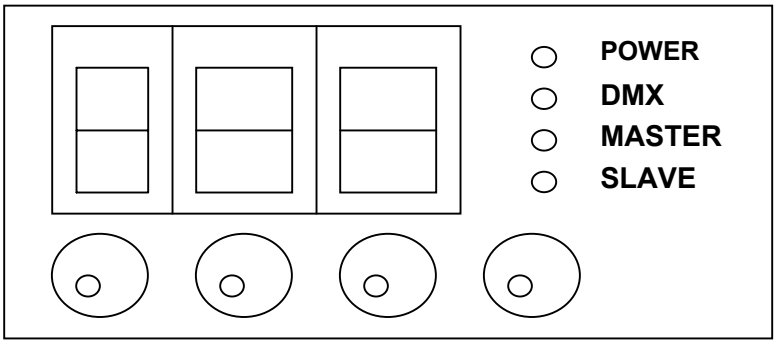
Remove all packing materials from the LED Bar DMX. Check that all foam and plastic padding is removed. Connect all cables.

Do not supply power before the whole system is set up and connected properly.
Always disconnect from electric mains power supply before cleaning or servicing.
Damages caused by non-observance are not subject to warranty.

Set Up and Operation

Before plugging the unit in, always make sure that the power supply matches the product specification voltage. Do not attempt to operate a 120V specification product on 230V power, or vice versa.

Panel Functions



Pattern Number | Main Color | Back Color | Blackout (press for Menu)

PATTERN Number: Modes can be selected and displayed on the segment.
MAIN Color: Main colors can be selected and displayed on the segment.
BACK Color: Background colors can be selected and displayed on the segment.
BLACKOUT / MENU: Different functions are available: long press = Blackout, short press = MENU.

Sound-Activated Mode

Data number for each color:

PATTERN NUMBER	MAIN COLOR	BACK COLOR
0 Automatic Light show	1 White	0 Black (Off)
1 Bargraph	2 Red	1 White
2 Peak Dot	3 Blue	2 Red
3 Bargraph withTop Color	4 Green	3 Blue
4 Peak Dot with Top Color	5 Yellow	4 Green
5 Bargraph Center-Out	6 Cyan	5 Yellow
6 Peak Dot Center-Out	7 Orange	6 Cyan
7 Mobile	8 Magenta	7 Orange
	9 UV Blue	8 Magenta
		9 UV Blue

Example:**023** on Display
This means the automatic lightshow is on (**0**), with Main Color Red (**2**) and Back Color Blue (**3**).

MENU	DATA	INSTRUCTION
CHA	0-599	Set DMX Address
TOP	On / Off	Set the turns of display
CE	On / Off	Set 4 or 20 channels
DBL	On / Off	Under „PAT“ Mode, set time for segmentto fade away
LSG	1 To 4	Set the Chase Speed
LSE	On / Off	Set MASTER and SLAVE. ON = SLAVE
SLO	On / Off	Choose time for FAST or SLOW fader
SOU	On / Off	Sound-activated switch
SS	On / Off	Fader Effect switch
GKN	On / Off	Special Display switch 1
BAK	On / Off	Special Display switch 2

DMX controlling: Only when it is set up as slave, it can receive signal from DMX or master. When M/S is applied, the masters cannot be connected otherwise the signal will interfere.

Stand-alone Operation
Press the Blackout button to view the menu. Set Master to OFF. (LSE = OFF)

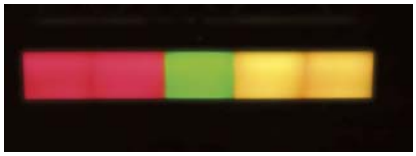
DMX Operation
Press the MODE button to view the DMX address setting rnenu:

The DMX Channel functions when using the entire device as one:

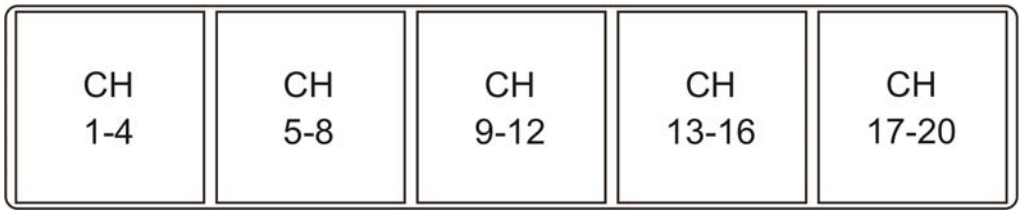
Channel 1: Red (0-255)
Channel 2: Green (0-255)
Channel 3: Blue (0-255)
Channel 4: Dimmer (0-255)

The DMX Channel functions when using the each section separately:

Section1	Channel 1:	Red (0-255)
	Channel 2:	Green (0-255)
	Channel 3:	Blue (0-255)
	Channel 4:	Dimmer (0-255)
Section2	Channel 5:	Red (0-255)
	Channel 6:	Green (0-255)
	Channel 7:	Blue (0-255)
	Channel 8:	Dimmer (0-255)



Etc….etc.



The LED Bar DMX’s built-in controller will automatically detect the presence of a DMX signal.
IF a DMX signal is present, the blue LED display will blink.
In order to receive a DMX signal, the built-in controller must be attached to a DMX controller by a 3-pin DMX cable and the DMX controller must be turned on.
To mix RGB color for the first section use channels 1, 2, 3, and for dimmer use channel 4.

Maintenance

The operator has to make sure that safety-relating and machine-technical installations are to be inspected by an expert after every four years in the course of an acceptance test.
The operator has to make sure that safety-relating and machine-technical installations are to be inspected by a skilled person once a year.

The following points have to be considered during the inspection:
1. All screws used for installing the device or parts of the device have to be tightly connected and must not be corroded.
2. There may not be any deformations on housings, fixations and installation spots.
3. Mechanically moving parts like axles, eyes and others may not show any traces of wearing.
4. The electric power supply cables must not show any damages or material fatigue.

The LED Bar DMX requires almost no maintenance. However, you should keep the unit clean. Disconnect the mains power supply, and then wipe the cover with a damp cloth. Do not immerse in liquid.
Keep connections clean. Disconnect electric power, and then wipe the audio connections with a damp cloth. Make sure connections are thoroughly dry before linking equipment or supplying electric power.

Replacing a Fuse
Power surges, short-circuit or inappropriate electrical power supply may cause a fuse to burn out. If the fuse burns out, the product will not function whatsoever. If this happens, follow the directions below to do so.
1. Unplug the unit from electric power source.
2. Insert a screwdriver into the slot in the fuse cover. Turn the screwdriver to the left, at the same time gently push a bit (Turn and Push). The fuse will come out.
3. Remove the broken fuse. If brown or unclear, it is burned out.
4. Insert the replacement fuse into the holder where the old fuse was. Reinsert the fuse cover.
Be sure to use a fuse of the same type and specification. See the product specification label for details.

Troubleshooting

Showtec LED Bar DMX
This troubleshooting guide is meant to help solve simple problems.
If a problem occurs, carry out the steps below in sequence until a solution is found. Once the unit operates properly, do not carry out following steps.
1. If the device does not operate properly, unplug the device.
2. Check the fuse, power from the wall, all cables etc.
3. If all of the above appears to be O.K., plug the unit in again.
4. If you are unable to determine the cause of the problem, do not open the LED Bar DMX, as this may damage the unit and the warranty will become void.
5. Return the device to your Showtec dealer.

Product Specification

Model: Showtec LED Bar DMX
Voltage : AC 230V-50Hz (CE)
Power: 40W
Fuse: 250V / T1A
Audio trigger: Built-in Mic
DMX Input : 3-pin XLR Male connector
DMX Output : 3-pin XLR Female connector
Dimensions : 1505 x 200 x 100 mm (LxWxH)
Weight : 9,4 kg

Design and product specifications are subject to change without prior notice.

CE

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